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In the claims:

1-63 (canceled)

64. (Currently amended). A filter assembly, comprising:

a block resonator filter comprising a block of dielectric material, having faces designated in terms of X, Y, and Z directions, and having a conductive plating, the block resonator filter characterized by three resonant modes, namely Mode 1 = TE110, Mode 2 = TE101, and Mode 3 = TE011 with the TE fields designated for the x, y, and z directions; and

a plurality of at least one tuning elements, each adapted for tuning the resonant frequency of a different one of the resonant modes, substantially independent of the resonant frequencies of the other modes,

said <u>plurality</u> of at least one tuning elements <u>each</u> comprising an affected area where the conductive plating is removed from a face of the block resonator filter, and the tuning element is selected from among the following:

an affected area shaped like a slot in at least one of the following configurations, to decrease a frequency of resonance

- a slot along the X-direction in the X-Y face to decrease the resonant frequency of Mode 2,
- a slot along the X-direction in the X-Z face to decrease the resonant frequency of Mode 1,
- a slot along the Y-direction in the X-Y face to decrease the resonant frequency of Mode 3,
- a slot along the Y-direction in the Y-Z face to decrease the resonant frequency of Mode 1,
- a slot along the Z-direction in the X-Z face to decrease the resonant frequency of Mode 3,
- a slot along the Z-direction in the Y-Z face to decrease the resonant frequency of Mode 2, and

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at least one circular affected area placed in at least one of the following locations to increase a frequency of resonance

on the X-Y face to increase the resonant frequency of Mode 1, on the X-Z face to increase the resonant frequency of Mode 2, and on the Y-Z face to increase the resonant frequency of Mode 3.

- 65. (Canceled)
- 66. (Previously presented). The filter assembly according to Claim 64, wherein the at least one affected area is shaped like a slot, and the resonant frequency of the one mode is decreased as a length of the slot is increased.
- 67. (Canceled)
- 68. (Previously presented). The filter assembly according to Claim 64, wherein the at least one affected area is shaped like a rectangular slot.
- 69 70 (Canceled).
- 71. (Previously presented). The filter assembly according to Claim 64, wherein in the affected area is one of removed conductive plating and indented conductive plating.
- 72-76 (Canceled)
- 77. (currently amended). A filter assembly, comprising:
- a block resonator filter comprising a block of dielectric material having a conductive plating; and
- a means for tuning at least one of three resonant frequencies associated with the block resonator filter; and

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the tuning means comprising an affected area of the conductive plating having a determined shape for selectable increasing or decreasing the at least one resonant frequency, wherein a circular shape increases the resonant frequency, and a rectangular shapeslot decreases the resonant frequency; and

a mask filter operably connected to said block resonator filter, wherein a passband of said mask filter is wider than a passband of said block resonator filter; and a low-pass filter operably connected to said block resonator filter, wherein said low-pass filter rejects frequencies greater than the passband of said block resonator filter.

78. (Previously presented). The filter assembly according to Claim 64, wherein the affected area comprises an area of the conductive plating having a decreased thickness with respect to the remaining conductive plating.

79-80 (Canceled)